

Table 6. Quality-control summary for volatile organic compounds, gasoline additives, pesticides, pesticide degradates, major and minor ions, trace elements, nutrients, and dissolved organic carbon detected in source-solution blanks, field blanks, and the minimum concentrations in ground-water samples collected for the Monterey Bay and Salinas Valley Ground-Water Ambient Monitoring and Assessment (GAMA) study, California, July to October 2005.

[Data censored due to associated blank contamination are reported but not used in summary statistics; E, estimated value; µg/L, micrograms per liter; —, not detected].

Constituent	Number of field blank detections/analyses	Maximum concentration detected in field blanks	Minimum concentration detected in environmental samples	Number of environmental samples censored ¹
Volatile organic compounds and gasoline additives and (or) oxygenates (µg/L)				
Acetone	1/20	12	—	0
2-Butanone (methyl ethyl ketone)	2/20	30.8	E0.9	0
Carbon disulfide	² 2/20	E0.09	E0.02	0
Chloroform (trichloromethane)	² 1/20	0.10	E0.01	0
Ethylbenzene	2/20	E0.03	E0.07	0
Tetrachloroethylene (PCE)	1/20	E0.03	E0.01	0
Toluene	² 13/20	0.19	E0.01	4
Trichlorofluoromethane	² 2/20	0.11	—	0
1,2,4-Trimethylbenzene	1/20	0.56	E0.02	0
<i>m</i> -Xylene plus <i>p</i> -xylene	3/20	E0.12	E0.03	0
<i>o</i> -Xylene	2/20	E0.05	—	0
Pesticide and (or) pesticide degradates (µg/L)				
none				
Nutrients and dissolved organic carbon (mg/L)				
Dissolved organic carbon (DOC)	5/5	40	E0.20	6
Phosphorus, phosphate, orthophosphate (as phosphorus)		E0.005	E0.005	0
Major and minor ions (mg/L)				
Calcium	3/5	0.24	15.4	0
Magnesium		E0.007	0.64	0
Silica	5/5	3.90	24.4	0
Sodium	3/5	0.70	20.3	0
Trace elements (µg/L)				
Aluminum	4/5	45	E1.0	1
Arsenic	1/5	0.52	0.20	1
Barium	2/5	0.20	4.00	0
Chromium	2/5	0.09	E0.03	1
Cobalt	1/5	0.04	E0.03	0
Copper	1/5	3.10	E0.20	5
Iron	2/5	21	E3.00	3
Lead	2/5	0.14	E0.06	0
Manganese	1/5	E0.20	E0.10	1
Nickel	1/5	0.36	0.42	0
Strontium	1/5	0.58	226	0
Tungsten	1/5	0.36	0.15	0
Vanadium	1/5	0.42	E0.10	0
Zinc	2/5	3.70	0.38	0

¹Environmental samples were not censored as a result of detections in the corresponding blank samples if the environmental samples taken prior to, and following the blank sample detections were free from the constituent observed in the blank sample.

²Constituents also detected in associated source-solution blanks.